PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

P-5786-PC	agent's file reference	FOR FURTHER ACTION		Form PCT/ISA/220 re applicable, item 5 below.
International ap PCT/IL04/0028		International filing date (day 29 March 2004 (29.03.2004		(Earliest) Priority Date (day/month/year) 01 April 2003 (01.04.2003)
Applicant YISSUM RESI	EARCH DEVELOPMENT	COMPANY OF THE HEBRE	w	
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		d, according to Rule 38.2(b), l		as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.
a. the fi	as suggested by the as selected by this as selected by this	published with the abstract is applicant. Authority, because the applica Authority, because this figure oublished with the abstract.	ınt failed to sugg	gest a figure.
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Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00286

Box No.	I Nucle	otide and/or ami	no acid sequence	(s) (Continuati	ion of item 1.b of (the first sheet)	
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00286

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IPC(7) US CL	SIFICATION OF SUBJECT MATTER : C12N 15/11, 15/85, 15/86; A61K 48/00 : 536/23.1; 435/325; 514/44 International Patent Classification (IPC) or to both nati	onal classification and IPC			
	OS SEARCHED				
Minimum doc	numentation searched (classification system followed b 6/23.1; 435/325; 514/44	y classification symbols)			
Documentation	on searched other than minimum documentation to the	extent that such documents are include	d in the fields searched		
Please See Co	ta base consulted during the international search (name ontinuation Sheet	of data base and, where practicable, s	earch terms used)		
c. Doct	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.		
х	SHIBUYA et al. Role of TAK1 and TAB1 in BMP si EMBO J. February 1998, Vol. 17, No. 4,pages 1019-		2,3,6-10		
Y			1,4,5,11-86		
Y	MOCHIDA et al. ASK1 Inhibits Interleukin-1 induce of TRAF6-TAK1 Interaction. J. Biol. Chem. October 32752, see entire document		1,14,19,20,41,42		
Y	YOSHIDA et al. Negative Regulation of BMP/SMAI December 2000. Vol. 103, pages 1085-1097, see enti	re document	40,47-56,058-75,78-81		
Y .	CARNINCI et al. Normalization and Subtraction of C Full-Length cDNA Libraries for Rapid Discovery of 2000. Vol. 10, pages 1617-1630, see entire documen	New Genes. Genome Res. October	4,5,10- 12,15,16,22,23,34,45,5 7,69,70,76,82-86		
Y	YAMAGUCHI et al. Identification of a member of the Mediator of TGF-beta signal transduction. Scinece. I 2011, see entire document		4,5,10- 12,15,16,22,23,34,45,5 7,69,70,76,82-86		
Further	documents are listed in the continuation of Box C.	See patent family annex.			
Ī	pecial categories of cited documents:	and not in conflict with the applicat			
	defining the general state of the art which is not considered to be of relevance	principle or theory underlying the in "X" document of particular relevance; the			
	plication or patent published on or after the international filing date	considered novel or cannot be cons when the document is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious			
"O" document	t referring to an oral disclosure, use, exhibition or other means	to a person skilled in the art	,		
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Ma Cos	ailing address of the ISA/US il Stop PCT, Attn: ISA/US mmissioner for Patents	Authorized officer Smild Dlate A Ram Shukla			
Ale	D. Box 1450 xxandria, Virginia 22313-1450 D. (703) 305-3230	Telephone No. (571) 272-0735			

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL04/00286

Citation of document, with indication, where appropriate, of the relevant passages Relevant to cla A HOFFMAN et al. TGF-Beta-activated kinase-1 (TAKI), a MAP3K, interacts with SMAD proteins and interferes with osteogenesis in murine mesenchymal progenitors. J. Biol. Chem. May 2005. M5033682000, pages 1-33, see entire document 1-86	im No	
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Form PCT/ISA/210 (continuation of second sheet) (January 2004)

International application No. PCT/IL04/00286

Continuation of B. FIELDS SEARCHED Item 3:

EAST, STN: FILE MEDLINE

Search terms: TAK!, SMAD, BMP, MH2, IL-1, TNF, osteogenesis, proinflamatory cytokines, agonist, inhibitors